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PATENT
Prior Attorney Docket No. MERCK-2056
TH&T Attorney Docket No. MRK-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS: Hartmann *et al.* ASSIGNEE: MERCK Patentgesellschaft
mit Beschränkter Haftung
SERIAL NO.: 09/708,506 GROUP NO.: 1647
FILED: November 9, 2000 EXAMINER: DeBerry, Regina M.
TITLE: ERYTHROPOIETIN FORMS WITH IMPROVED PROPERTIES

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
REVOCATION OF PRIOR POWERS AND NEW POWER OF ATTORNEY

Sir:

As assignee of record of the entire right, title, and interest in the above-identified patent, all powers of attorney previously given are hereby revoked, and the following attorneys and/or agents are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith.

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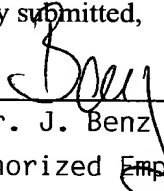
Patent Administrator
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110

**PLEASE ASSIGN PTO CUSTOMER NUMBER 021323 TO
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The assignee of record of the entire right, title, and interest in the above-identified patent is **MERCK Patentgesellschaft mit Beschränkter Haftung**, by virtue of an assignment from the inventors of the above-identified patent application to MERCK Patentgesellschaft mit Beschränkter Haftung submitted for recordation in the U.S. Patent and Trademark Office on June 16, 2003 (copy enclosed).

Respectfully submitted,

Dated: June 30, 2003



Name: Dr. J. Benz
Title: Authorized Employee
MERCK Patentgesellschaft
mit Beschränkter Haftung
Darmstadt, Germany

(The above-signed, whose title is supplied, is authorized to act on behalf of the assignee.)



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Name Erwin Rieke

Name Cornelius Sobel

Name Kin-Ming Lo

Name Jeffrey C. Way

Name Stephen Gillies

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3

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Patent Application Number(s)

Patent Number(s)

09/708,506

Patent Cooperation Treaty (PCT)

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Brian A. Fairchild

Reg. No. 48,645

Name of Person Signing

Signature

16 June 2003
Date

ASSIGNMENT

ATTY. DOCKET NO.:

WHEREAS the below named inventor (if only one inventor is named below) of inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

Erythropoietin Forms with Improved Properties

- ☐ for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
☒ for which U.S. Application Serial No. 09/708,506 for Letters Patent was filed in the U.S. Patent and Trademark Office on November 9, 2000
☐ for which an International Application was filed on _____ as _____, designating the United States

AND WHEREAS

MERCK PATENTGESELLSCHAFT
MIT BESCHRÄNKTER HAFTUNG
Darmstadt, Germany

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or conventions rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letter Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extension thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as simple and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns, and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY THEREOF this assignment was executed by ASSIGNOR

201 FULL NAME OF SOLE INVENTOR OF FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Arno Hartmann	<i>Arno Hartmann</i>	December 20, 2000
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Silke Brandt	<i>Silke Brandt</i>	December 20, 2000
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Erwin Rieke	<i>Erwin Rieke</i>	December 20, 2000
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Cornelius Sobel	<i>Cornelius Sobel</i>	December 20, 2000
205 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Kin-Ming Lo	<i>Kin-Ming Lo</i>	December 20, 2000
206 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jeffrey C. Way	<i>Jeffrey C. Way</i>	December 20, 2000
207 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Stephen Gillies	<i>Stephen D. Gillies</i>	December 20, 2000
208 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
209 FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
210 FULL NAME OF TENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
211 FULL NAME OF ELEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
212 FULL NAME OF TWELFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE



TRANSMITTAL FORM

Application Serial Number	09/708,506
Filing Date	November 9, 2000
First Named Inventor	Hartmann
Group Art Unit	1647
Examiner Name	Deberry, Regina M.
Attorney Docket No.	MERCK-2056 (MRK-001)
Patent No.	Not applicable
Issue Date	Not applicable

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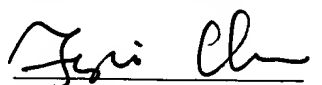
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Respectfully submitted,


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